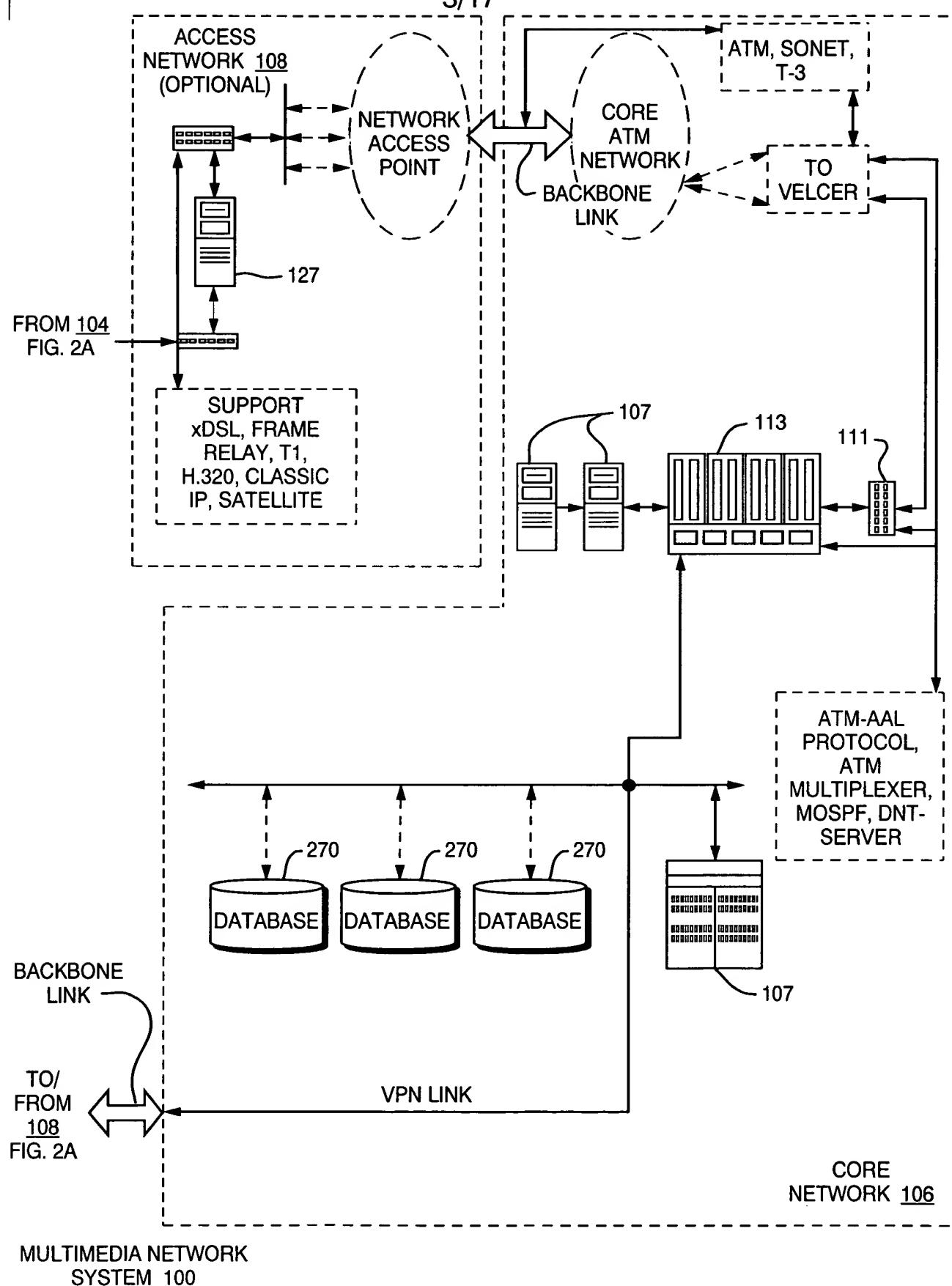
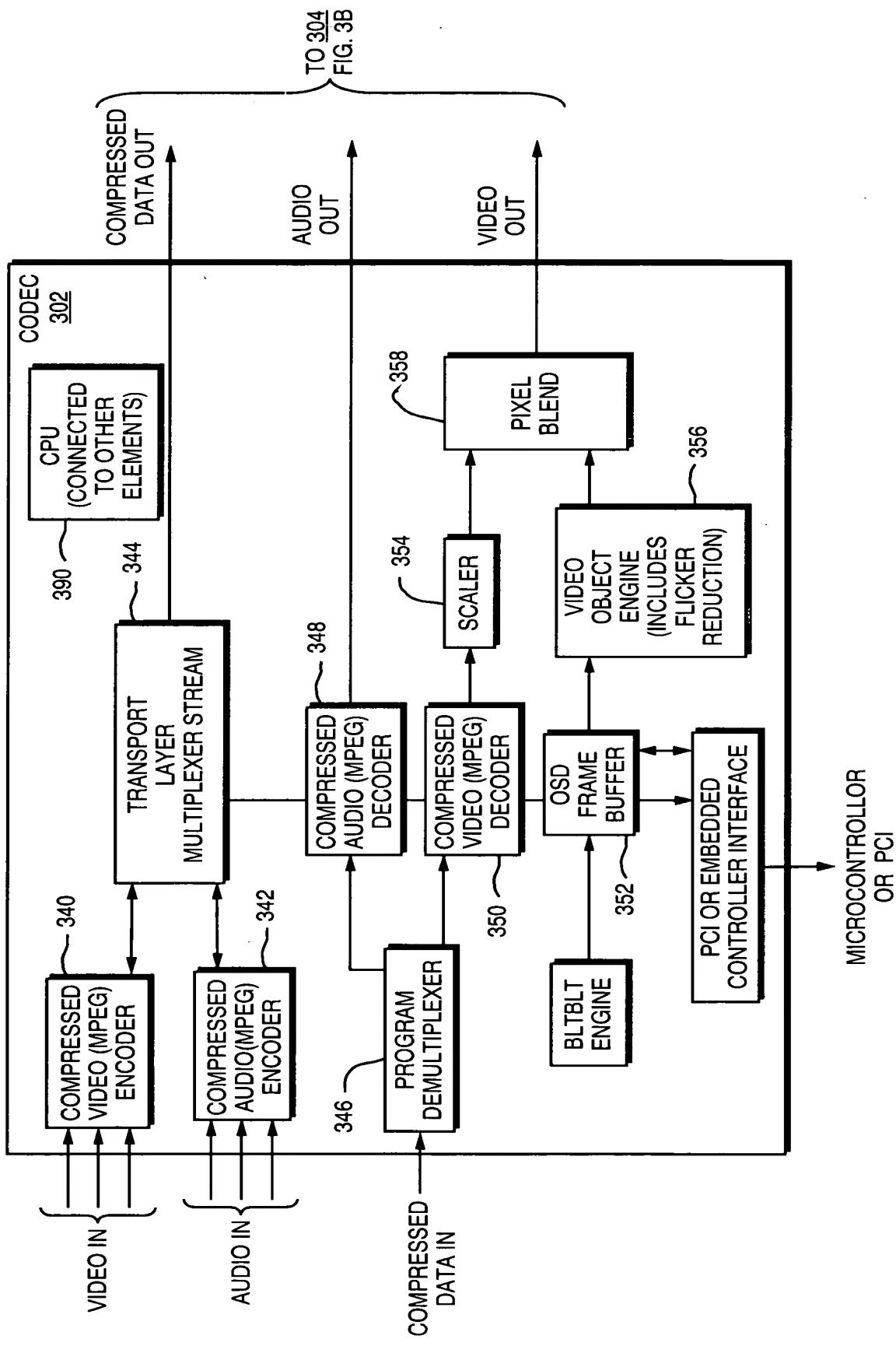
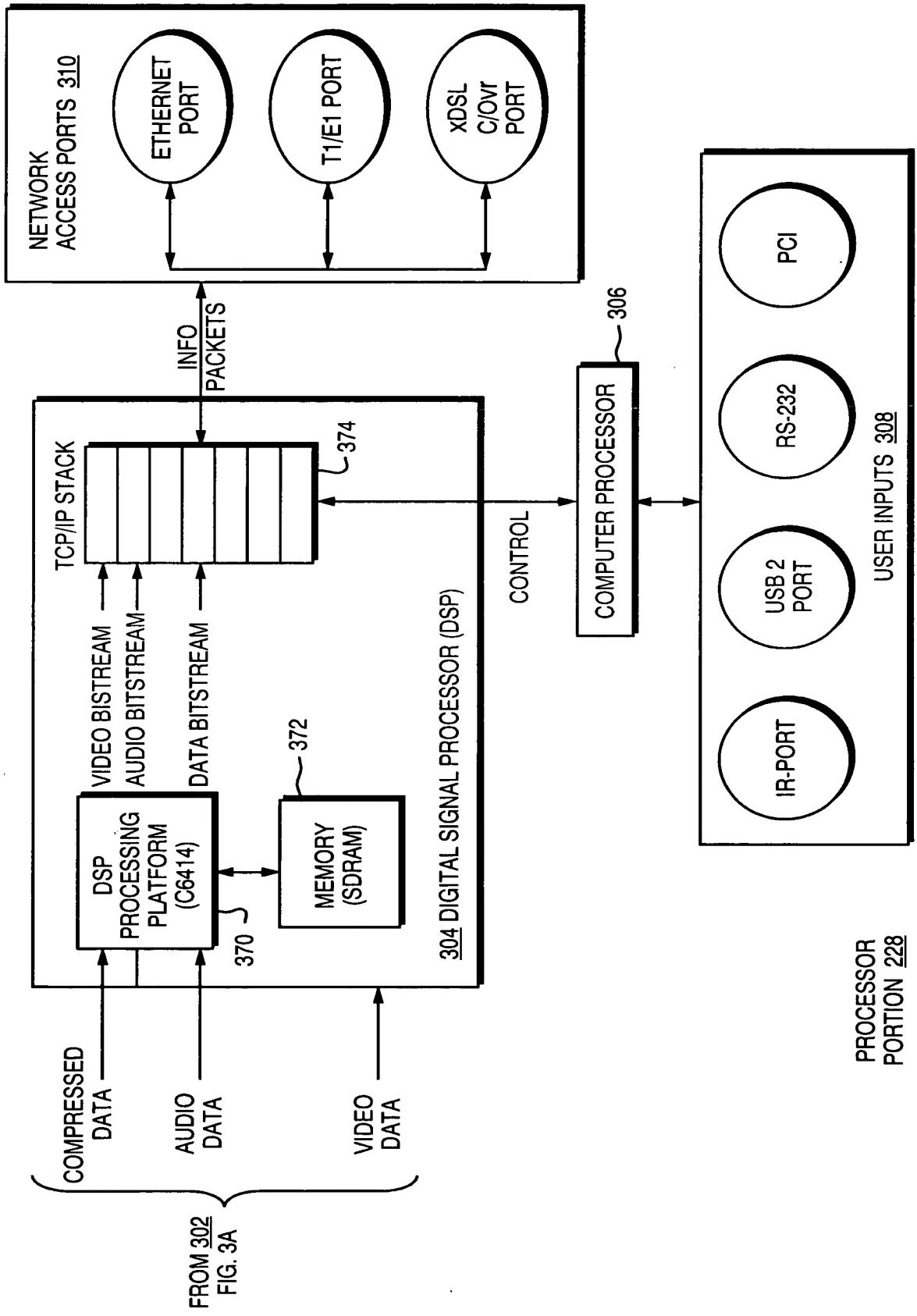


FIG. 2A







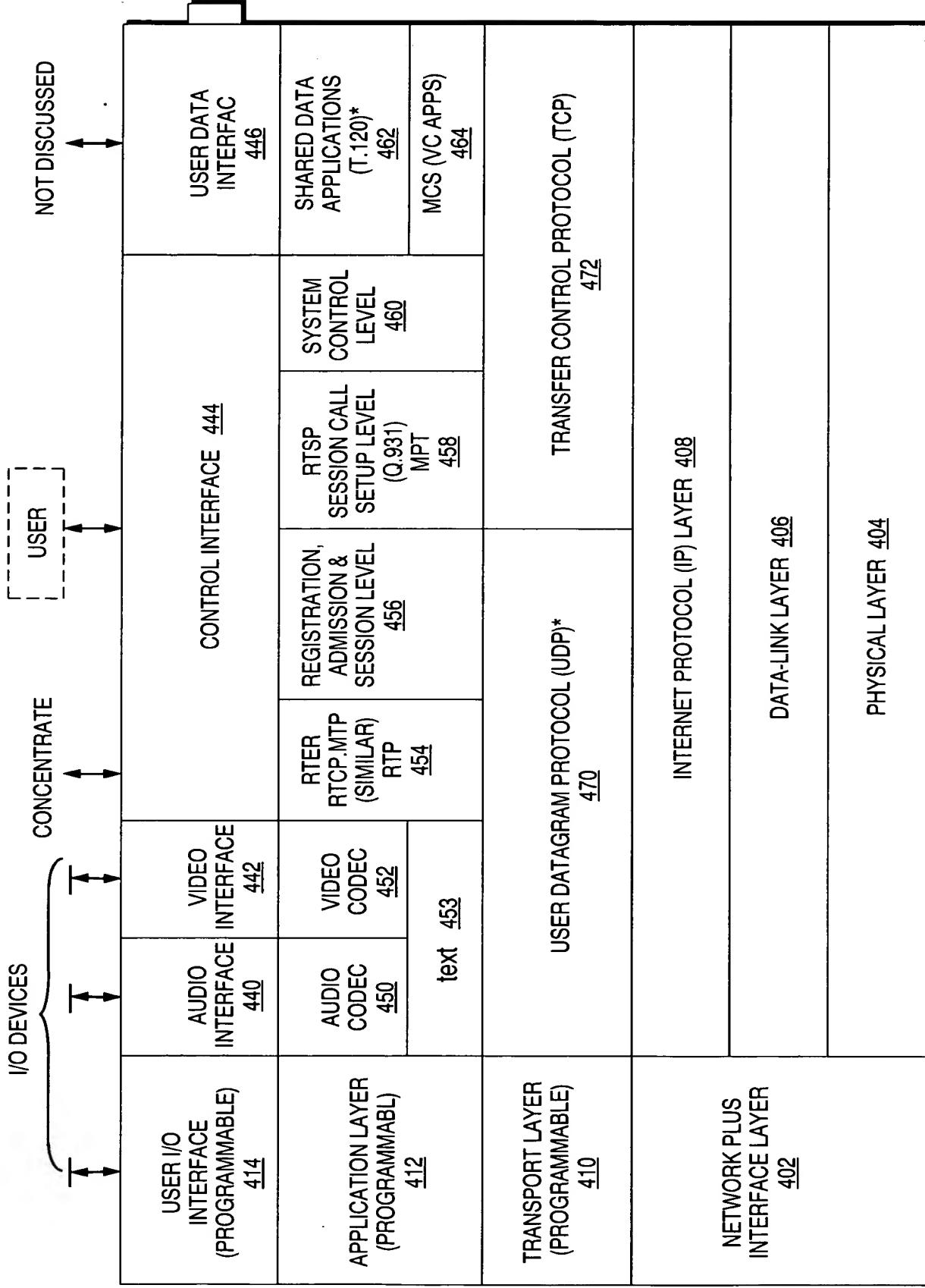


FIG. 4

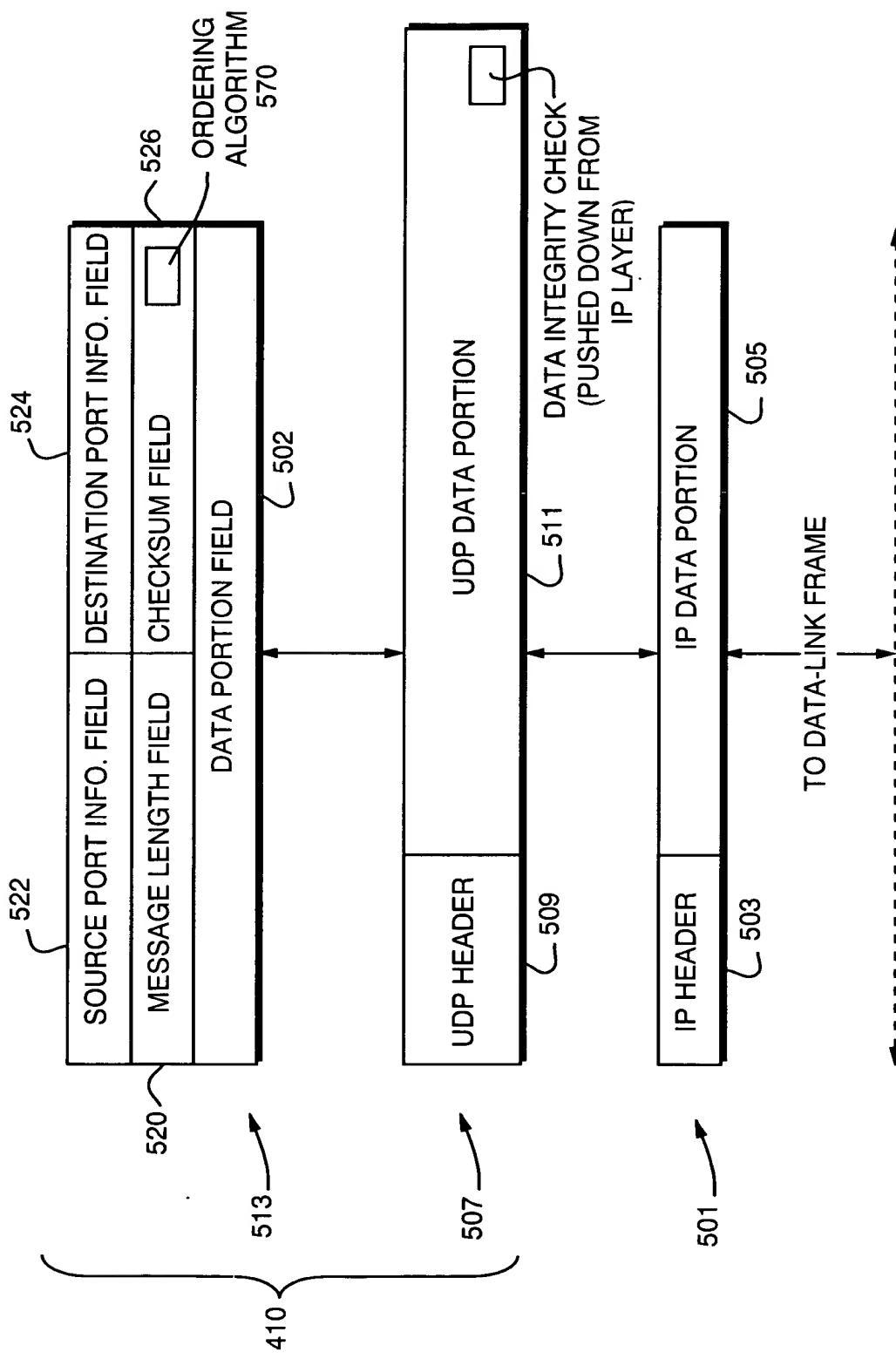


FIG. 5

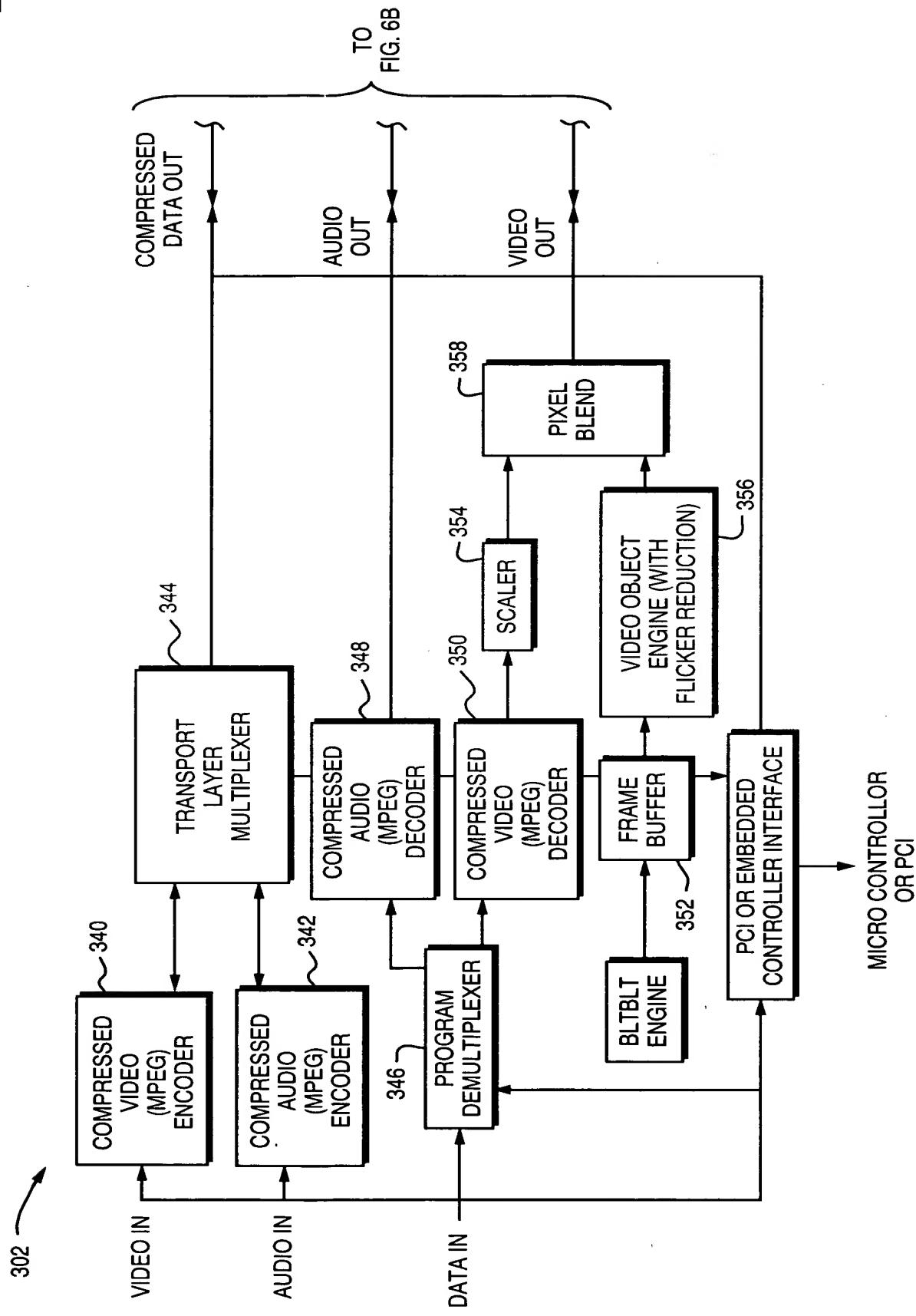


FIG. 6A

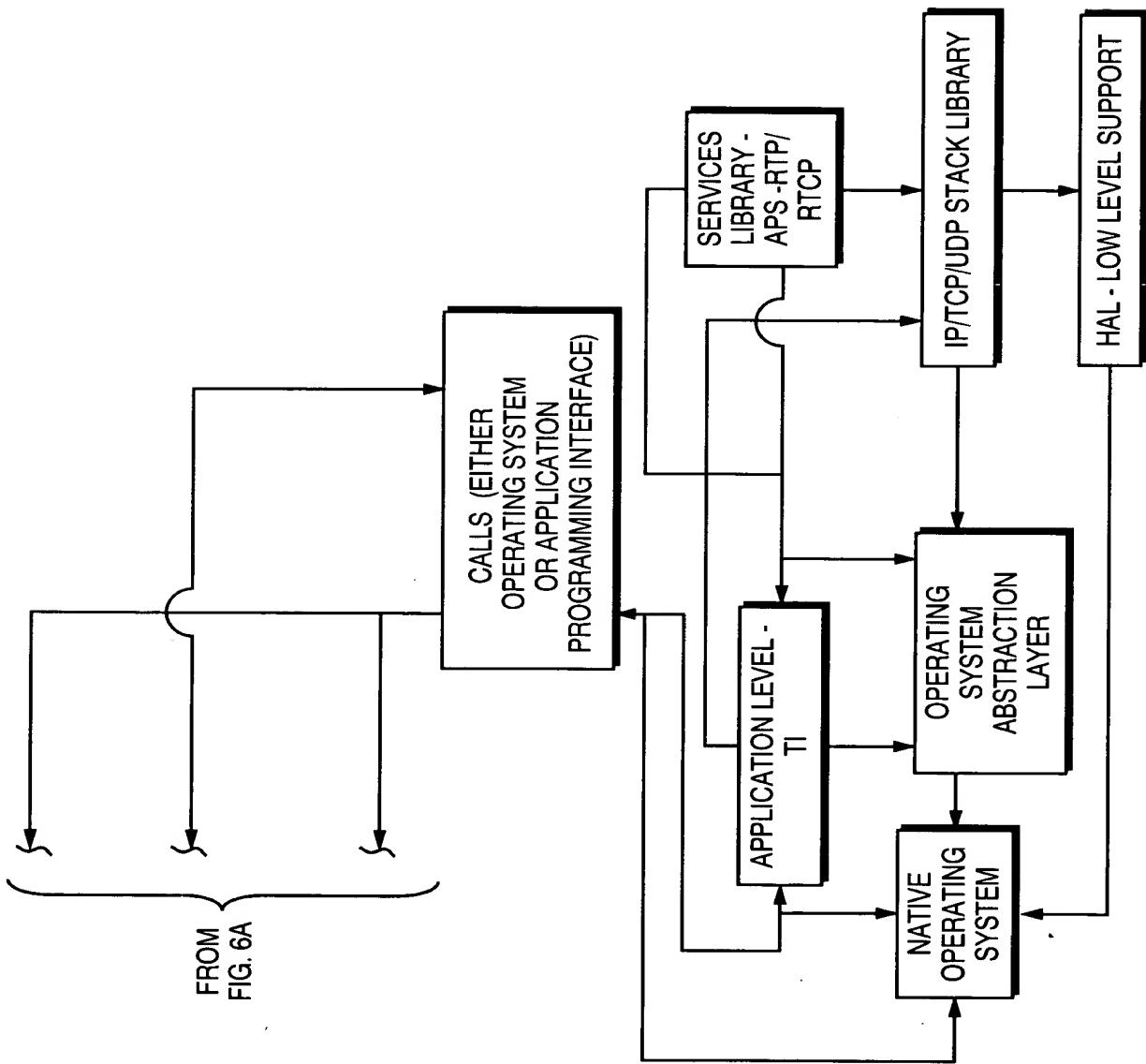


FIG. 6B

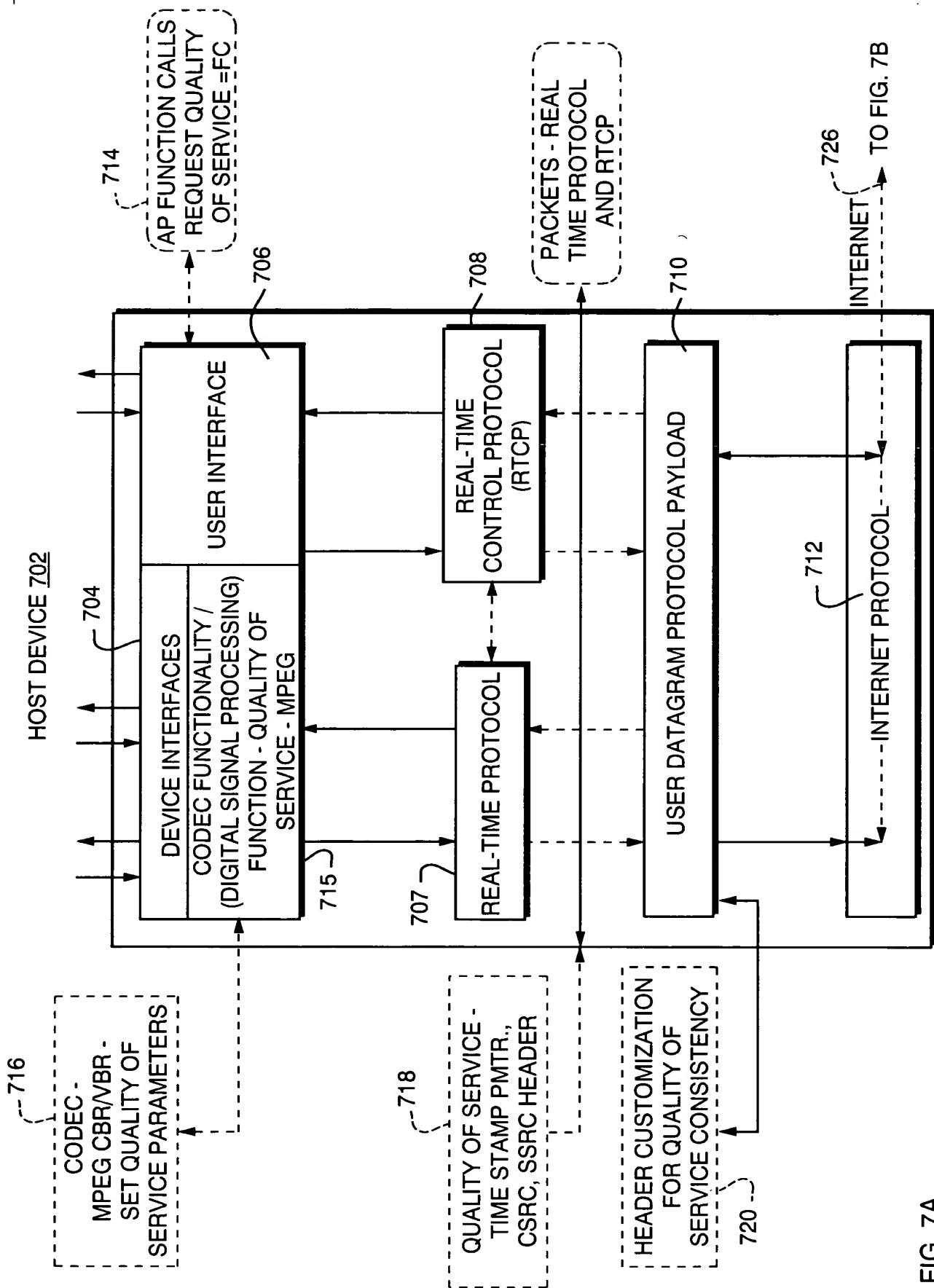


FIG. 7A

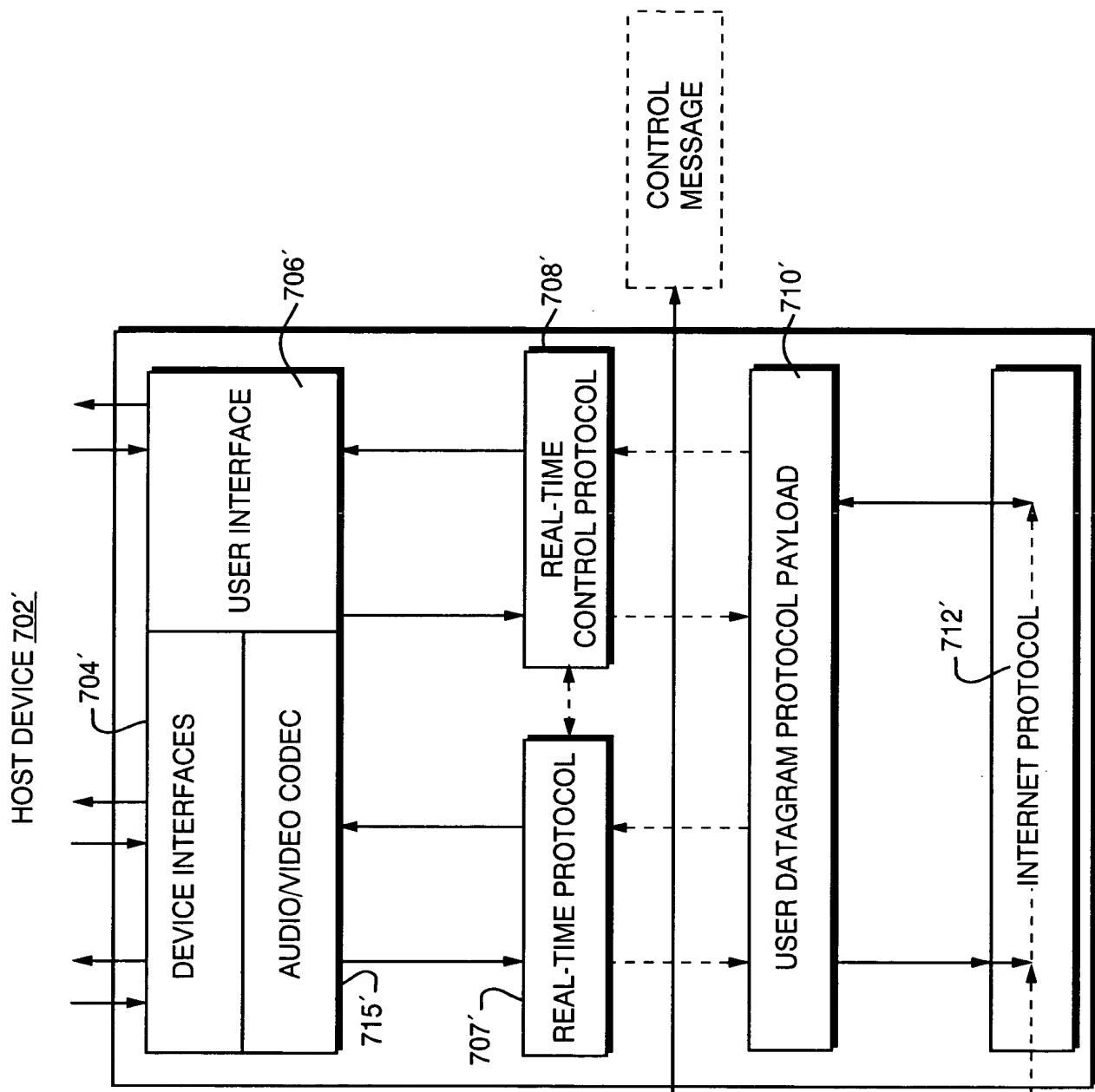


FIG. 7B

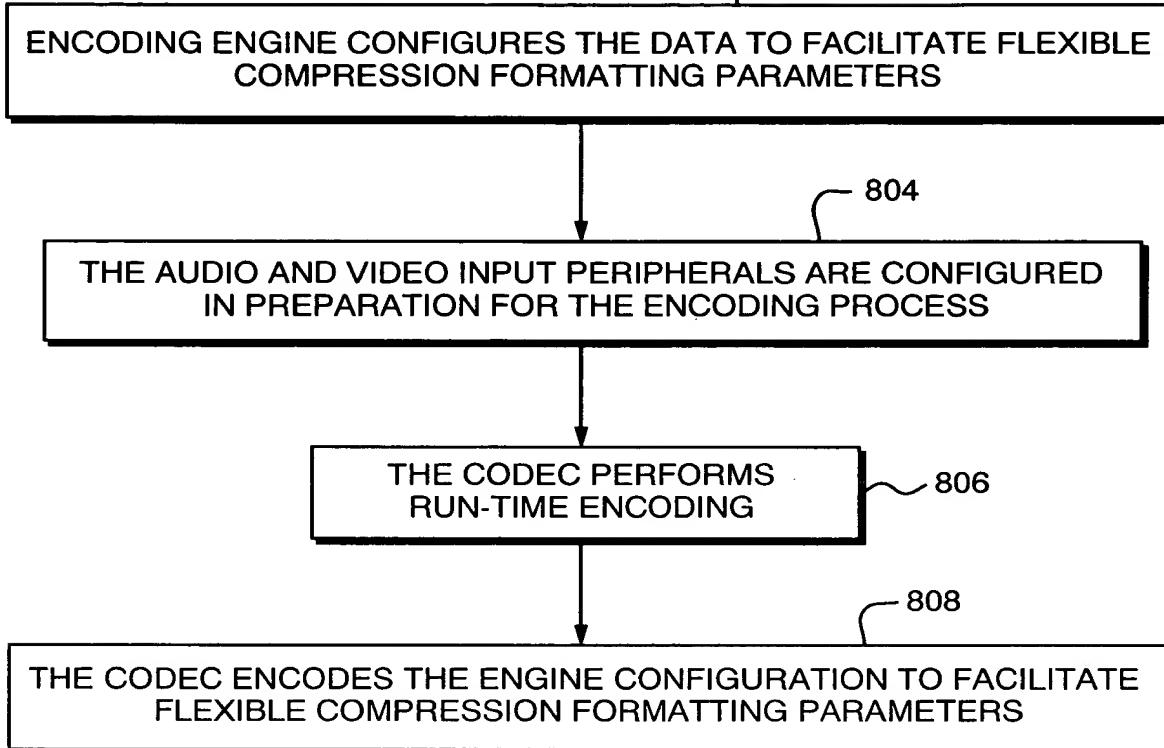
800

FIG. 8

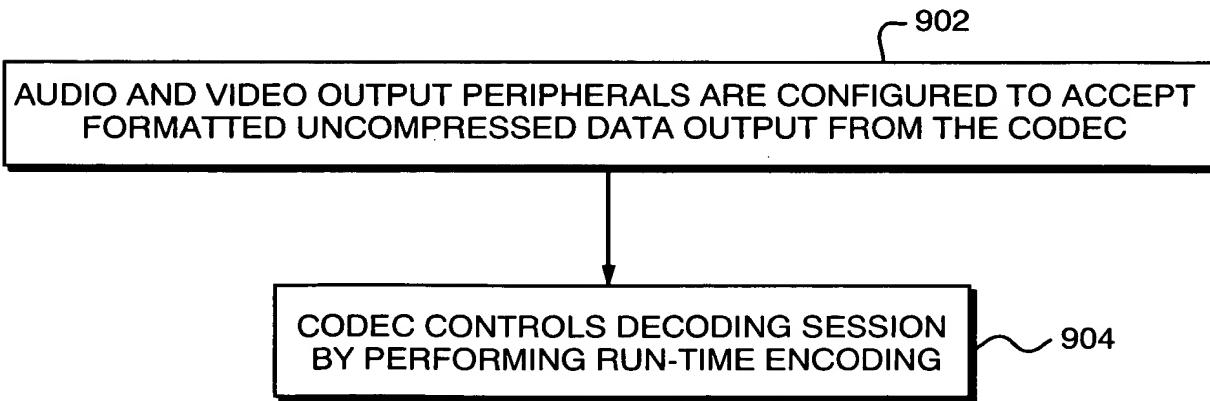
900

FIG. 9

1000

1002

BROADBAND INTERFACE UNIT (BIntU) TRANSCEIVER REQUESTS SERVICE FROM THE DATA DISTRIBUTION CONTROL CENTER

1004

ROUTING CHANNEL OF PRESCRIBED BANDWIDTH FOR USER DATAGRAM PROTOCOL WITH VALUE ADDED (UDPVA) PACKETS ESTABLISHED BETWEEN THE BIntU TRANSCEIVER AND THE DATA DISTRIBUTION CHANNEL

1006

SERIES OF UDPVA PACKETS TRANSMITTED TO FORM CONTINUOUS AUDIO/VIDEO STREAM FROM THE DATA DISTRIBUTION CONTROL CENTER TO THE BIntU TRANSCEIVER. RECORD OF EACH UDPVA PACKET MAINTAINED

1008

FOR EACH UDPVA PACKET TRANSMITTED FROM THE DATA DISTRIBUTION CONTROL CENTER TO THE BIntU TRANSCEIVER, A CORRESPONDING RETURN PACKET IS TRANSMITTED FROM THE BIntU TRANSCEIVER TO THE DATA DISTRIBUTION CONTROL CENTER

1010

EACH ONE OF THE SERIES OF UDPVA PACKETS IN CONTINUOUS AUDIO/VIDEO STREAM COMPARED TO THE CORRESPONDING RETURN PACKET TO DETERMINE WHICH UDPVA PACKETS WERE RECEIVED AT THE BIntU TRANSCEIVER

1012

DID CORRESPONDING RETURN PACKET RETURN TO DATA DISTRIBUTION CENTER OVER PRESCRIBED PERIOD ?

NO

YES

1014

REASON FOR MISSING PACKETS
CONSIDERED AND FAULTY
TRANSMISSION CORRECTED

1016

TRANSMISSION
MAINTAINED

FIG. 10

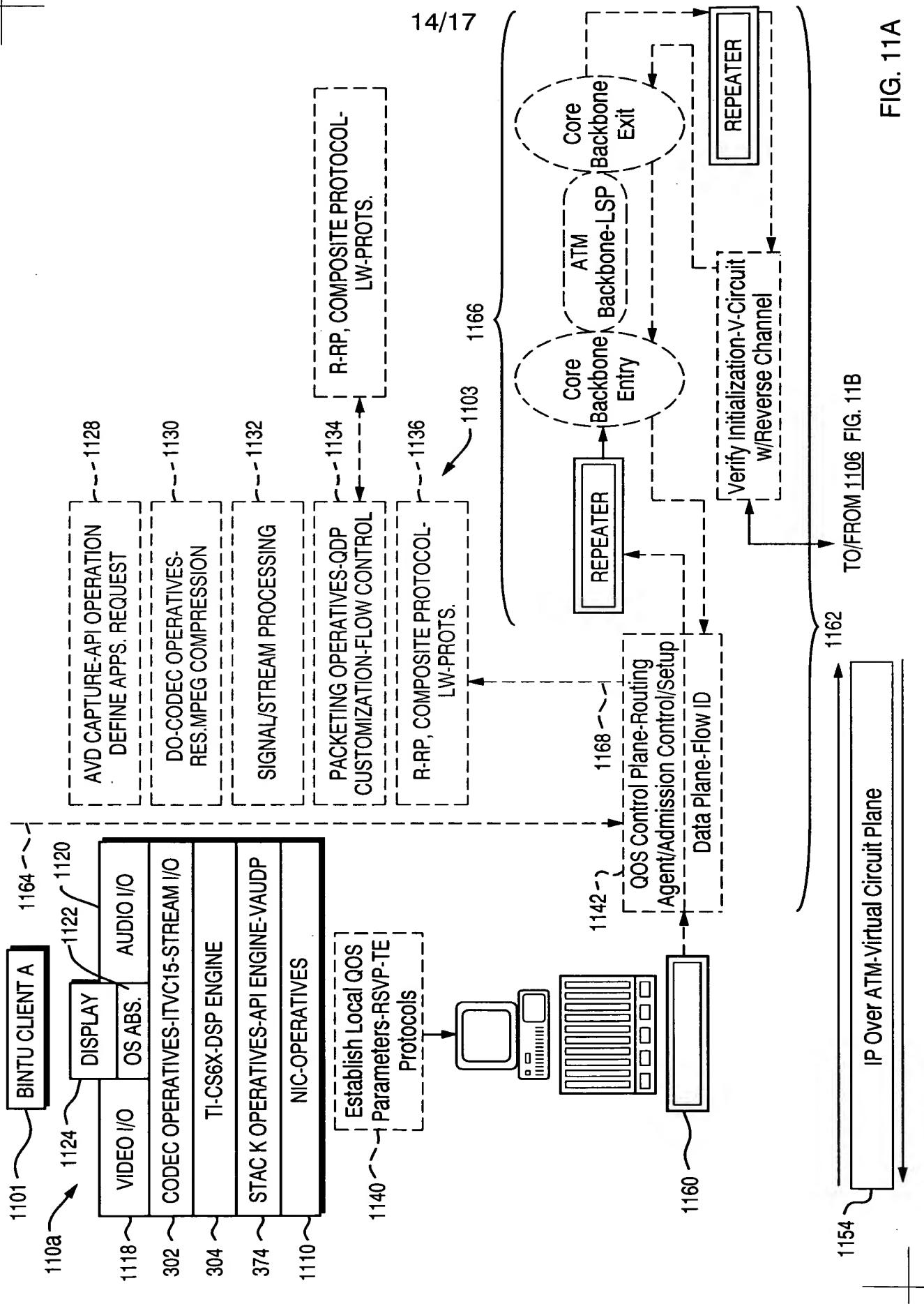


FIG. 11A

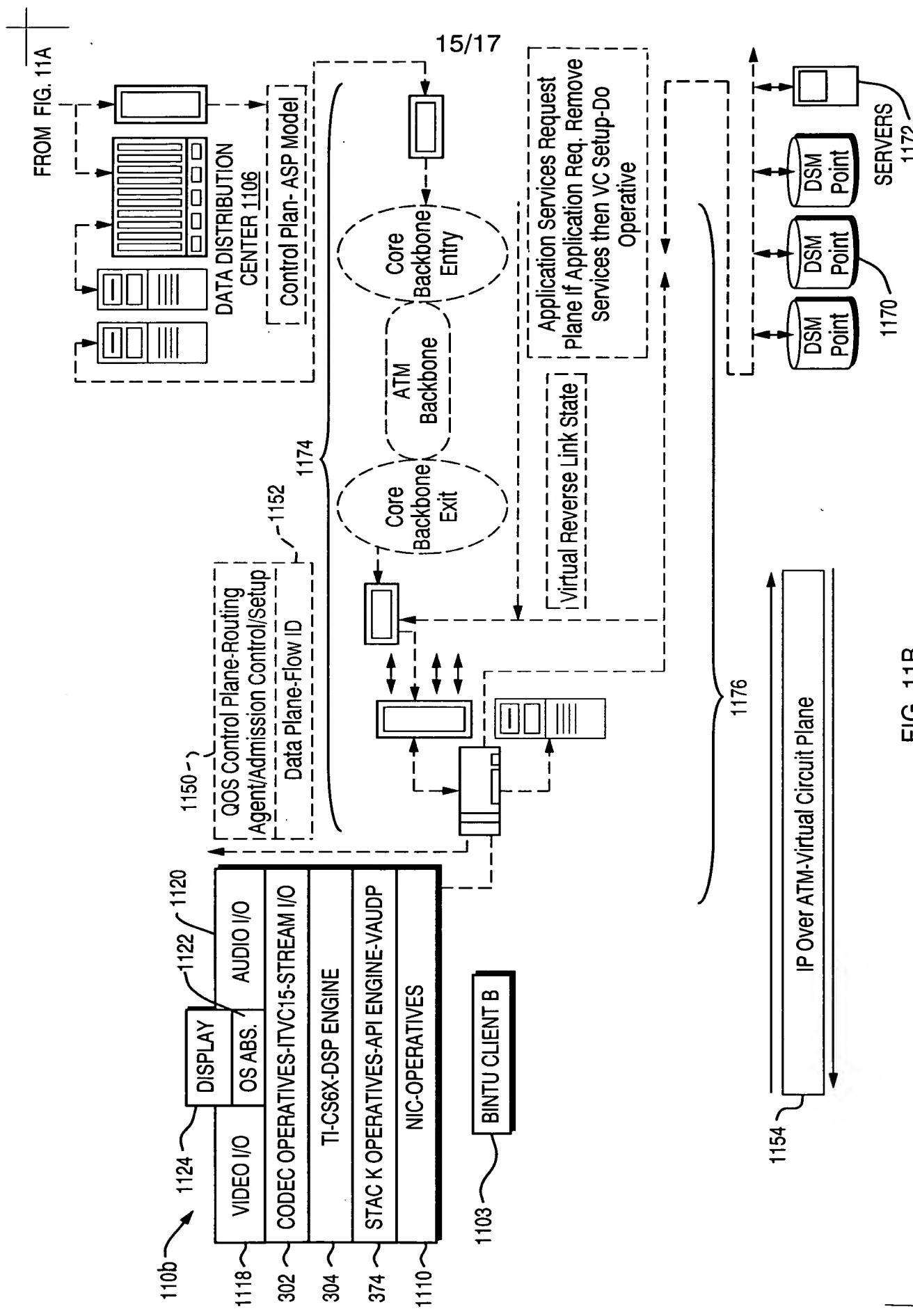


FIG. 11B

PENDING PCT/US2002/026549

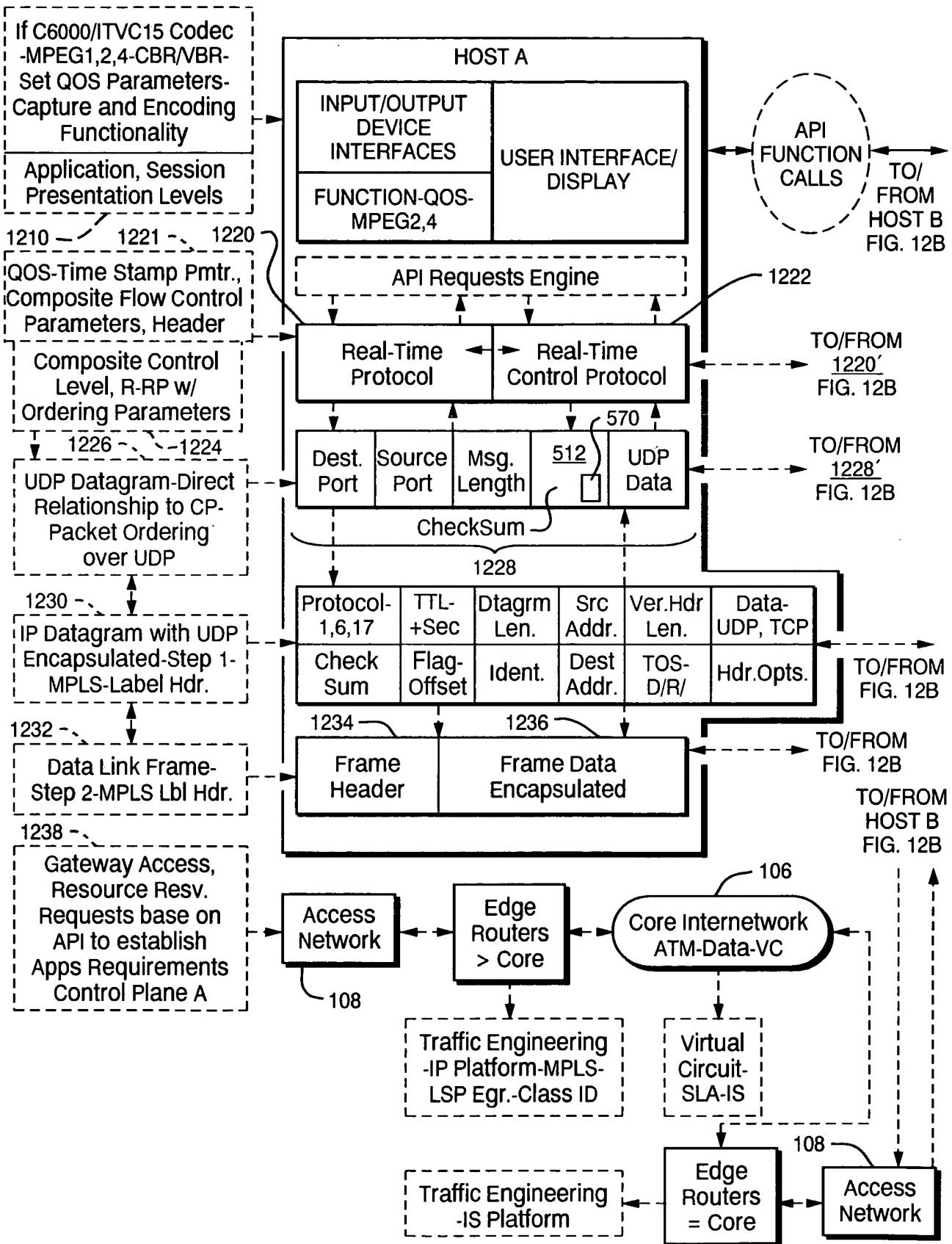


FIG. 12A

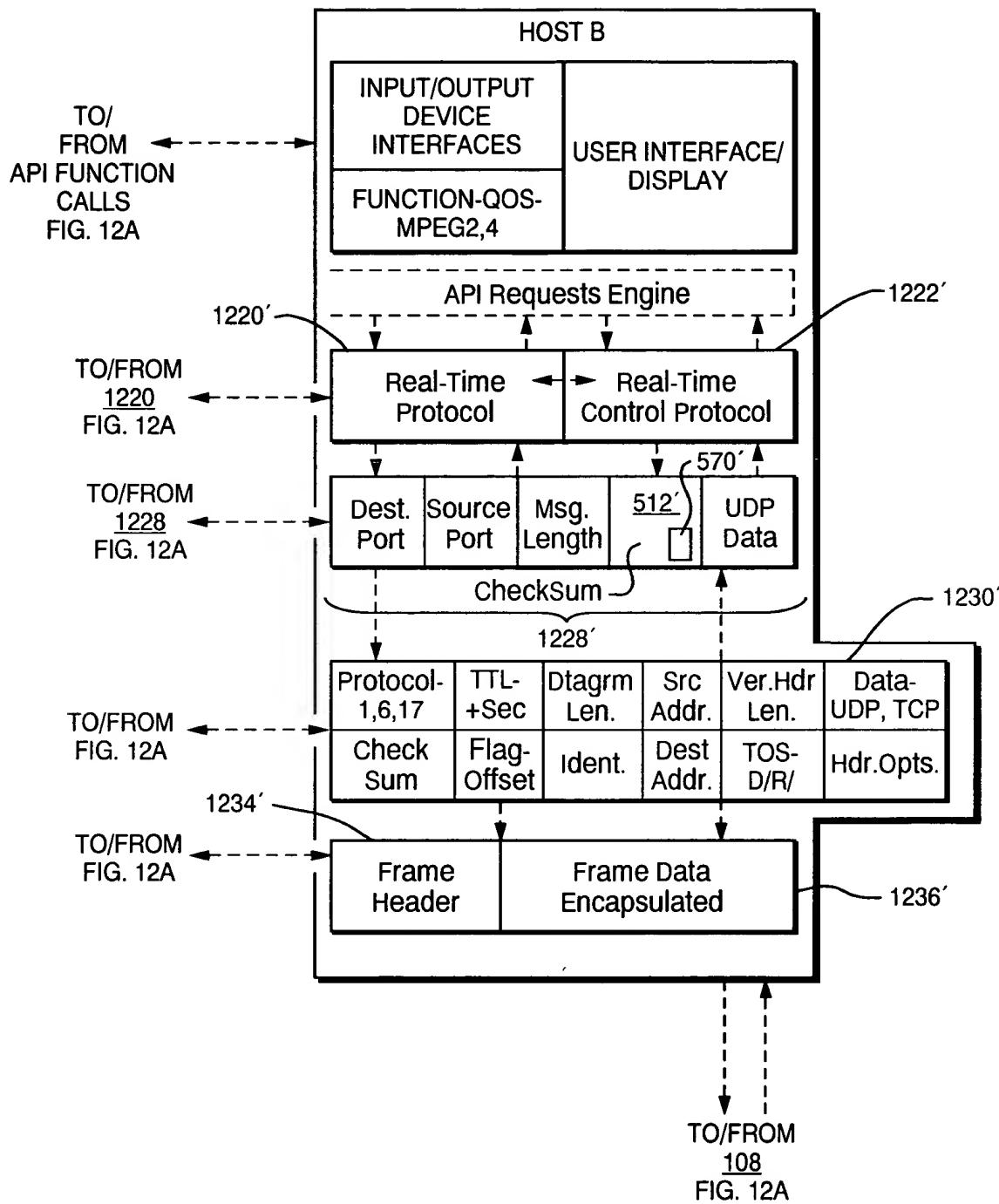


FIG. 12B

SCANNED, #14

APPLICATIONS PORTION

TELE-COLLaboration (multimedia collaboration, e.g., multimedia conferencing), business support systems (multimedia customer support), telemedicine, distance learning, enhanced digital broadcast (near video on demand, broadcasting), interactive (virtual shopping, games, near video on demand), multimedia content retrieval (MR).

